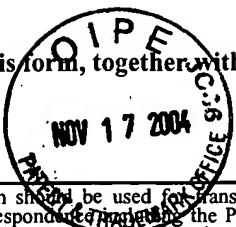


**PART B - FEE(S) TRANSMITTAL**

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28112 7590 08/18/2004

**GEORGE O. SAILE & ASSOCIATES**  
28 DAVIS AVENUE  
POUGHKEEPSIE, NY 12603  
Duane Morris LLP  
One Liberty Place  
Philadelphia, PA 19103-7396

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for ~~first class~~ mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Maria E. Provencio	(Depositor's name)
<i>Maria E. Provencio</i>	(Signature)
November 17, 2004	(Date)

*EXPRESS MGT*

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/082,024	02/21/2002	Chung-Ju Hsieh	TS00-903	1910

**TITLE OF INVENTION:** REAL-TIME DETECTION MECHANISM WITH SELF-CALIBRATED STEPS FOR THE HARDWARE BASELINE TO DETECT THE MALFUNCTION OF LIQUID VAPORIZATION SYSTEM IN AMAT TEOS-BASED DXZ CHAMBER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$0	\$1330	11/18/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS	11/22/2004 HHEKONE1 00000067 041679 10082024
NOLAND, THOMAS	2856	073-001160, 01 FC:1501	1370.00 DA

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  
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2. For printing on the patent front page, list  
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(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

**3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)**

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

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(B) RESIDENCE: (CITY and STATE OR COUNTRY)

**TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY**

**HSIN-CHU, TAIWAN R.O.C.**

Please check the appropriate assignee category or categories (will not be printed on the patent); ☐ individual ☒ corporation or other private group entity ☐ government

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☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 04-1679 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is not claiming SMALL ENTITY status. See, e.g., 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.  
NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

(Authorized Signature) *Mark J. Marcelli* (Date)

**Mark J. Marcelli, Reg. No. 36,593 November 17, 2004**

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Confirmation No.: 1910  
Notice of Allowance Dated: 08/18/2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Chung-Ju Hsieh, et al.

Serial No.: 10/082,024

Examiner: Thomas Noland

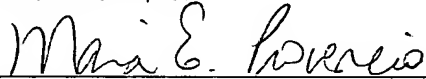
Filed: 02/21/2002

Group Art Unit: 2856

For: REAL-TIME DETECTION MECHANISM WITH SELF-CALIBRATED STEPS FOR  
THE HARDWARE BASELINE TO DETECT THE MALFUNCTION OF LIQUID  
VAPORIZATION SYSTEM IN AMAT TEOS-BASED DXZ CHAMBER

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1450 in accordance with 37 CFR 1.10

on November 17, 2004

  
Maria E. Provencio

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**ISSUE FEE TRANSMITTAL LETTER**

Dear Sir:

Transmitted herewith is the payment for the Issue Fee for the above-captioned  
patent application, which is due on November 18, 2004. Please charge the \$1,330 issue fee  
to Deposit Account 04-1679.

Please charge any associated underpayment or credit any overpayment to Deposit  
Account 04-1679.

Dated: November 17, 2004

DUANE MORRIS LLP  
101 West Broadway, Suite 900  
San Diego, CA 92101-8285  
Telephone: (619)744-2200  
Fax: (619) 744-2201

Respectfully submitted,

  
Mark J. Marcelli, Esquire  
Registration No. 36,593